



AZCARB UV Polycarbonate Sheet and Reel

AZCARB UV Weatherable Polycarbonate sheet is produced via a proprietary process which creates a built-in protective UV barrier on the surface of the sheet. The result is reduced yellowing, improved haze resistance, and improved light transmission over time vs General-Purpose polycarbonate sheet. This sheet is ideal for the Sign, Glazing & Skylight markets. AZCARB UV sheet is offered with a ten (10) year limited product warranty against yellowing and loss of light transmission.

- Standard UV both sides. UV one side available
- Improved Whiter White
- Excellent LED hiding capability on white and select colors
- Easily fabricated, thermoformed and decorated
- Meets the UL 879 standard for electric sign components
- Available in web reels, trimmed reels or in sheet form
- Oversize sheets and run to size available on request
- Gauges available .060" to .177"
- Recyclable



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TYPICAL STANDARD PROPERTIES¹

PROPERTY	UNITS	AZCARB UV
OPTICAL		
Light transmission	%	87
Haze	%	1
MECHANICAL		
Tensile stress at yield	103 psi	9.3
Tensile stress at break	103 psi	10
Tensile strain at break	%	125
Tensile modulus	103 psi	330
Flexural modulus	103 psi	330
Izod Impact strength	ft-lb/in	17
Rockwell hardness	zM-scale	75
	R-scale	118
THERMAL		
HDT	°F	
264 psi load		270
66 psi load		288
Coefficient of thermal expansion	in/in/°F	3.9x10 ⁴

¹ Values reported are averages and should not be used for specification purposes.

Standard Sizes:

Sheet Sizes: 48"x96", 52"x100", 52"x125", 75"x100" & 75"x125"

Reel Widths: 52", 64", 76" & 100"

Standard Colors: Clear and Sign White

Run to size and oversize sheet available upon request.



AZCARB UV Polycarbonate Sheet is a combustible thermoplastic. Observe fire precautions appropriate for comparable forms of wood and paper. For building uses, check code approvals. Impact resistance is a factor of thickness. Avoid exposure to heat or aromatic solvents. Clean with soap and water. Avoid abrasives. The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, AZPolymers expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.

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azpolymersllc.com

5675 Centerpoint Court
Gurnee, IL 60031
(224) 656-5822
sales@azpolymersllc.com